Magic InstaScan™ PRO

Auto Feed Scanner

PDS-ST480-VP

User Manual

[VuPoint]®
Solutions

Table of Contents

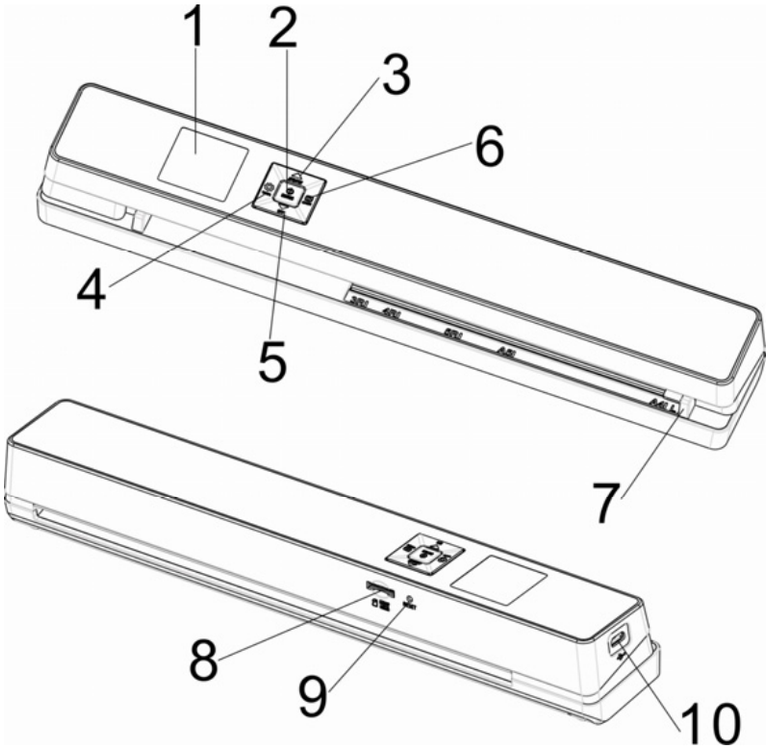
1. Key Features 3
2. Functional Parts 3
3. Explanation of the Status Icons 5
4. Using the Scanner 5
   - 4.1. Charging up the Battery 5
   - 4.2. Inserting a microSD Memory Card (not included) 5
   - 4.3. Turn on/off the Scanner 6
   - 4.4. How to Scan 6
   - 4.5. How to Playback Image 8
   - 4.6. Delete Single File 8
   - 4.7. Setup Menu 9
     - Scan Format 9
     - Scan Quality 9
     - Scan Color 9
     - Language 9
     - Date/Time 10
     - Instant Preview 10
     - Auto Off (Auto Power Off) 10
     - Delete All (Delete All Files) 10
     - Format the MicroSD Memory Card 10
     - Device Information 10
   - 4.8. How to Calibrate the Scanner 10
5. Connecting to Computer 10
6. Specifications 11
7. Computer System Minimum Requirements 12
8. Troubleshooting 12

Getting to know your ST480 Auto Feed Scanner

1. Key Features

- Automatically scans when feeding a document
- JPEG, PDF-A4 or PDF-Letter scan-format selection.
- Color or Monochromatic (mono) scan selection.
- 300 (LO) /600 (MI) /1200 (HI) DPI scan quality selection.
- Directly save JPG (JPEG)/PDF files to the microSD/microSDHC card.
- Support the microSD/microSDHC memory card up to 32GB.
- Color display to playback the scanned images
- Compatible to Windows® XP, Windows® Vista™, Windows® 7, Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required)

2. Functional Parts



1	LCD screen	Display scanning status, scanned images and scanner settings
2	ENTER	Power On/Off: Press and hold this key for 3 seconds to power on or off. In Setup mode, press this button to confirm changes. In Playback mode, press this button to change the zoom between 4x, 8x and normal. When connected to the computer, press this button once to switch between Standby and USB modes.
3	JPG/PDF	Press this button to select JPG (JPEG), PDF-A (PDF-A4) or PDF-L (PDF-Letter) file format. The icon of the selected mode will be displayed on the LCD screen. In Setup mode: Press this button to move up the selection bar. In Playback mode: Press this button to preview the pervious image. When zooming in under Playback mode: press it to move to the upper/left portion of the image.
4		Press this button to enter Setup Menu In Playback mode: Press this button to enter single file delete option. When zooming in under Playback mode: press this button to shift the functions of JPG/PDF and DPI between UP/DOWN and LEFT/RIGHT.
5	DPI	Press this button to select LO (300dpi), MI (600dpi) or HI (1200dpi) scan quality in DPI. The icon of the selected quality will be displayed on the LCD screen. In Setup mode: Press this button to move down the selection bar. In Playback mode: Press this button to preview the next image. When zooming in under Playback mode: press it to move to the lower/right portion of the image.
6	BACK	Press this button to enter Playback mode; Press this button to return to the previous screen In Setup mode: Press this button to exit Setup mode.
7	Guiding Tab	Adjust to scan documents of various sizes
8	microSD card slot	The microSD card storage location.
9	Reset	Press to reset the scanner (Hardware reset)
10	USB interface	Connect to a computer with the USB cable provided to view and transfer files Used to charge the built-in battery with an optional AC/DC power adapter.

3. Explanation of the Status Icons

Item	Function	Description
1	File Format	JPG/PDF-A/PDF-L
2	Scan Resolution	LO: 300 DPI /MI: 600 DPI / HI: 1200 DPI
3	Battery Power Indicator	Fully charged Low battery. Recharge needed
4	Scan Color	COLOR/MONO
5	File Counter	Shows the number of scanned files in the microSD card

4. Using the Scanner

4.1 Charging the Battery

Charge the built-in battery before using the scanner.
Charge time (while scanner is off): Approx. 2 hours.

Two charging methods:

1. By connecting to an AC/DC power adapter via the USB interface.
2. By connecting to a computer via included USB cable

Note:

Once the battery is fully charged while the scanner is off, battery indicator will display on LCD screen for a short time and will turn off automatically.

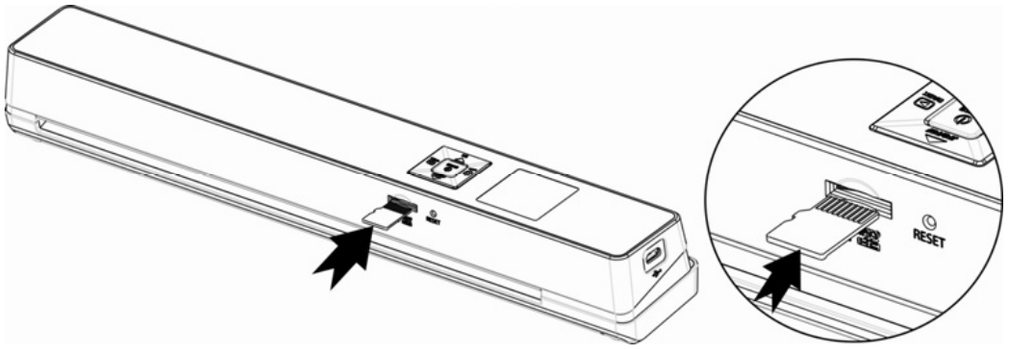
4.2 Inserting a microSD Memory Card (not included)

Note: Memory cards may be hot after use. Be cautious when removing memory cards from the unit.

To operate the scanner, you must insert a microSD Card (not supplied) to record and store your pictures. To insert the microSD memory card:

1. Turn OFF the scanner.
2. Insert the microSD card into the microSD card slot (with metal side facing upwards). Gently press in until

the card is clicked in and latched.



4.3 Turn on/off the Scanner

Turn on/off the scanner by pressing and holding SCAN .

Note:

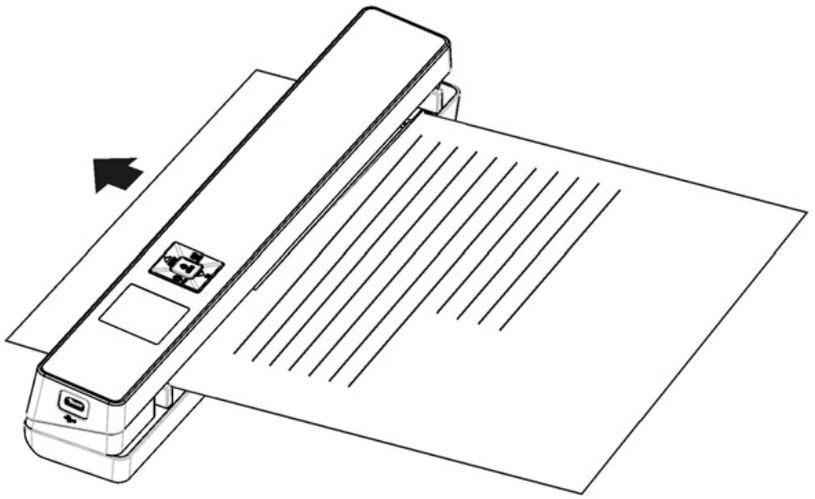
If the scanner is turned on for the first time or the scanner is reset, it will enter Date & Time/Language setup mode. Once the Date & Time/ Language setting is completed, scanner will enter into standby mode.
By default, Auto-off feature is set to 3 minutes. If the Auto-off feature is set at "3 Min" (refer to section 4.7), the scanner will automatically turn off if scanning action is not detected within 3 minutes.

To set Date & Time/Language:

1. Press ENTER to jump to next setting option: YEAR →MONTH →DATE →HOUR → MINUTE.
   Note: press BACK to switch to the previous setting option.
2. Press JPG/PDF or DPI to set the figure corresponding to each setting.
3. Press ENTER to confirm and move to next setting.
4. After completing the setting for MINUTE, it will enter Language setup screen.
5. Press JPG/PDF or DPI to select your desired language.
6. Press SCAN to confirm and enter into standby status.

4.4 How to Scan

1. Adjust the Guiding tab to the appropriate spot in accordance to the size of the document
2. Smooth the edge of the document(s) before scanning.
3. Insert the document gently into the slot and the scanner will automatically start scanning.



During scanning, the scanning status icon will be displayed on the LCD screen to indicate scanning is in progress.

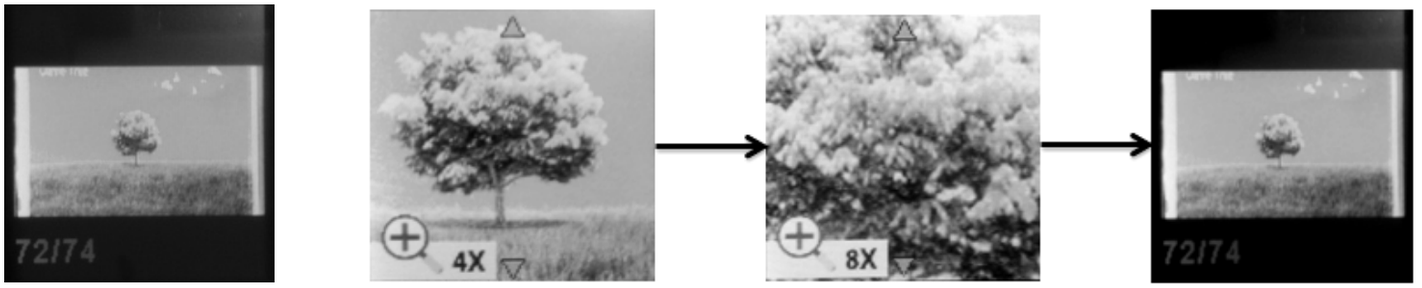
4. If the scanner is connected to the computer, press the ENTER once to enter USB mode, then you are able to view the scanned files on the computer.

Notes:

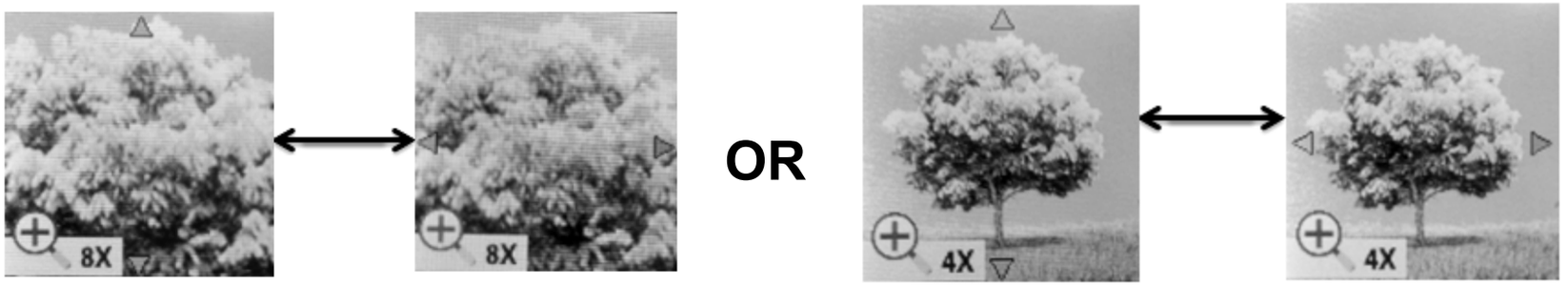
- When scanning while connected to an external power, the scanner will enter charging mode if no scanning action is detected within 1 minute.
- If “Scan error icon appears on the LCD screen, original memory card needs to be replaced with a higher call microSD card (Class 6 or above is recommended). The error image will still be saved after the scan completes.
- If Instant Preview feature is set to "on", scan result will shortly be displayed on the LCD screen before the scanner returns to standby mode.
- When the memory card is full, the scanner is unable to scan more images. If you press the scan button under such situation, “Full” will flash rapidly on the File Counter of the LCD screen for 2 seconds.

4.5 How to Playback Image

1. Press BACK to enter Playback mode. The last scanned image will be displayed.
2. Press JPG/PDF or DPI to select your desired image. Press ENTER to zoom into the image. ▲ and ▼ navigational indicators will appear on the screen.
3. Press ENTER to change the magnification between 4x, 8x and normal zoom.



4. Press JPG/PDF to view the upper portion of the image; Press DPI to view the lower portion of the image.
5. Press ⚙ to shift ▲ and ▼ navigational functions to ◄ and ► Press JPG/PDF or DPI button to view the left or right portion of the image. Press ⚙ to change directions anytime.



6. Press BACK to return to the previous Playback screen, press it again to return to standby mode.

Note: Images that exceeds 9MB file size cannot be magnified.

4.6 Delete Single File

1.	Press BACK to enter Playback mode.
2	Press JPG/PDF or DPI to select the file you want to delete.
3.	Press ⚙ to enter Delete File setting.

4.	Press JPG/PDF or DPI to select Yes or No. Select “Yes” to delete the current file in the microSD card. Select “No” to return to previous Playback screen.
5.	Press ENTER to confirm your selection and return to the previous Playback screen.

4.7 Setup Menu

1. Press to enter Setup menu
2. Press BACK or to exit Setup menu.

Follow the below three steps to enter setup screen for each Menu item:

1. Press to enter setup mode.
2. Press JPG/PDF or DPI to select the Menu item you want to set.
3. Press ENTER to enter the setup screen.

Menu items	Description	Options
JPG/PDF	Scan Format	• JPG • PDF - A (A4) • PDF - L (Letter)
Quality	Scan Quality (DPI)	• Lo (300 DPI) • Mi (600 DPI) • Hi (1200 DPI)
Color	Scan Color	• Color • Mono
Language	Menu language	• English • Spanish • French • German • Italian • Dutch • Russian • Japanese • Traditional Chinese • Simplified Chinese

Date/Time	Date and Time	• Year • Month • Date • Hour • Minute
Inst. Preview	Instant preview	• On • Off
Auto Off	Auto Power Off	• Off • 3 Min
Delete All	Delete All Files	• No • Yes
Format	Format the microSD Memory Card **Note:** All contents on microSD card will be erased during formatting	• No • Yes
Device Info	Device Information	/

4.8 How to Calibrate the Scanner

Note: If the scanned images are too dark or too bright, you may need to calibrate your scanner by adjusting the white balance. Follow the below steps to perform calibration:

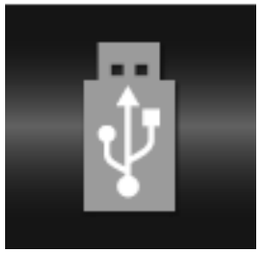
1. Remove the microSD card from the scanner.
2. Press and hold the ENTER button to power on the scanner.
3. Press and hold JPG/PDF button. While holding the JPG/PDF button, press the ENTER button and then release both buttons to enter into auto-calibration mode. The message “1. Insert the calibration sheet.” will appear on LCD screen.
4. Insert the calibration card as the arrows indicate with the text facing down. The scanner will start to scan the calibration card. During the scanning process, it will stop and message “2. Calibration in progress!” will appear. Wait for the scanner to continue to finish the scanning the rest of the calibration card.
5. “3. Calibration completed!” message will appear on the LCD screen when calibration is completed.

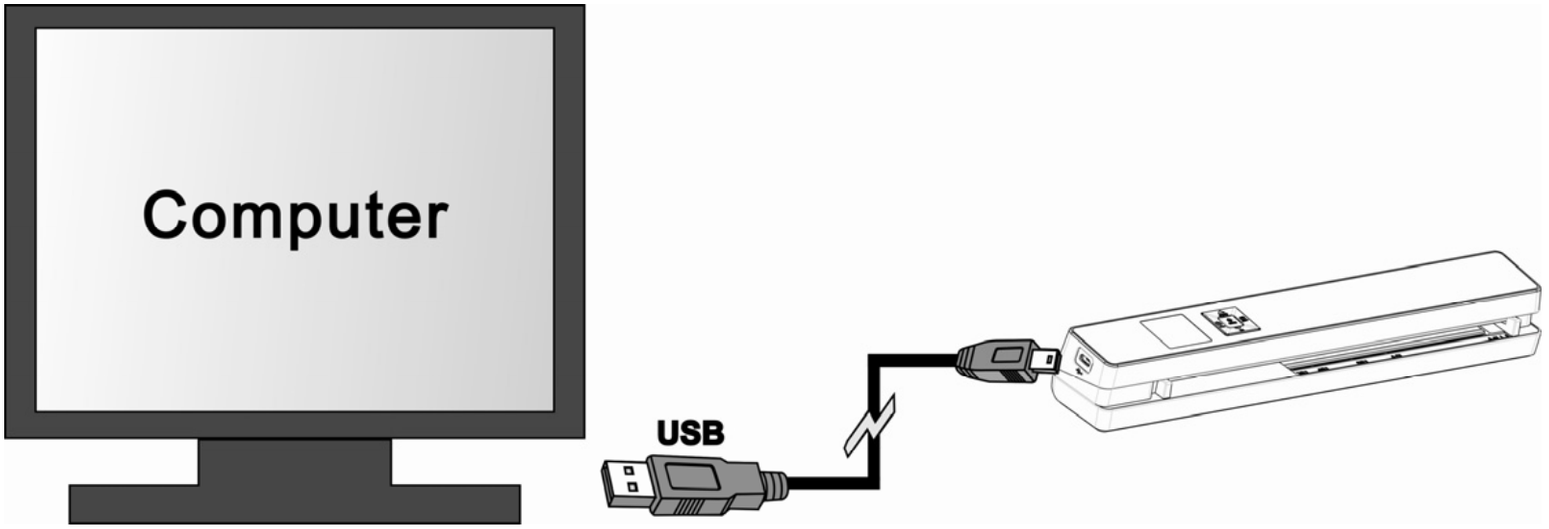
5.Connecting to Computer

View your scanned files on your comptuer

You may also connect your scanner to your computer and view pictures on the computer monitor

1. Press and hold ENTER to turn on your scanner.
2. Connect your scanner to your computer and press ENTER to enter USB mode.
3. Your computer will recognize the scanner as a “Removable Disk”. Click “Open folder to view files” to view, import, copy, move or to delete scanned files.





Note: If the Removable Device window does not launch automatically, go to your “My Computer/Computer” (PC) and find the device under Removable Storage.

6. Specifications

Image sensor	Color Contact Image Sensor	
Resolution	Low resolution : 300x300 dpi Medium resolution: 600x600 dpi High resolution: 1200x1200 dpi	
Minimum scanning speed for Letter size document	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	10.0 Seconds 8.0 Seconds 5.0 Seconds 4.0 Seconds 5.0 Seconds 4.0 Seconds
Capacity (Based on 1GB microSD card. Scan Letter size file, the quantity of scans varies depending on the content complexity)	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	200 Scans (Min.) 210 Scans (Min.) 600 Scans (Min.) 620 Scans (Min.) 1600 Scans (Min.) 1650 Scans (Min.)
Scanner photo size	A4、A5、5R、4R、3R and smaller	
Scan width	Approx. 8.5”	

Scan length	300DPI:130"(max);600DPI:60"(max);1200DPI:55"(max)
File format	JPEG/PDF
LCD	Approx 1.5” Class* TFT LCD
Zoom	4x, 8x
Dimensions (L×H×W) mm	11.0”×1.5”×1.8”
Auto power off	3 Minutes
USB port	USB 2.0 high speed
External memory	microSD/microSDHC card
Standard battery	Built-in 1200mAH Lithium-Polymer
Battery charge time	Approx. 2 hours

7. Computer System Minimum Requirements

Operating System	Windows® XP, Windows® Vista™, Windows® 7, Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required)
CPU	Pentium III or above
RAM	At least 256MB
Interface	USB port

8.Troubleshooting

Problem	Cause	Solution
Cannot turn on the scanner	Low battery power	Recharge the battery
Pictures cannot be saved while you are scanning them	1. The microSD card has not been installed 2. Memory is full 3. The microSD card has not been formatted properly	1. Insert a microSD card 2. Transfer the pictures from the scanner to the computer to create storage space in the memory card 3. Please refer to section 4.7

“Scan Error" icon appears on the LCD screen	microSD card speed is slow	Replace original memory card with a higher class microSD card. (Class 6 or above recommended)
Computer does not recognize your scanner when connected(You cannot find your device under removable disk)	Connection failure	1. Make sure all cable connections are secured 2. Restart the computer if necessary
Blurry images	1. The lens of scanner is dirty 2. Contact Image Sensor aged	1. Clean the lens with soft and dry cloth 2. Recalibrate the scanner. Refer to section 4.8
Black Images/Black or white vertical lines	1. Scanner sensor's protective glass is dirty 2. Calibration data is off-set	1. Clean the sensor’s protective glass with clean and soft dry cloth. 2. Recalibrate the scanner. Refer to section 4.8

Note: Model Number and Serial Number (S/N) is located on the packaging, instruction manual, on the product or inside the battery compartment. Please have this information ready before contacting tech support.

FCC (Federal Communications Commission)

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

*Measured diagonally. Actual size is 1.48”; viewable area is 1.44”

Windows® XP, Windows® Vista™, Windows® 7, Windows® 8 are registered trademarks of Microsoft Corporation.
Mac OS® 10.5 is a registered trademark of Apple Inc.
microSD and microSDHC logo is a trademark of SD-3C, LLC.
All trademarks are the property of their respective owner.

Memory cards may be hot after use. Be cautious when removing memory cards from the unit.

US Patent No. 8,416,456

PDS-ST480-VP _Manual_14-0225
AM-N480-VPS-1